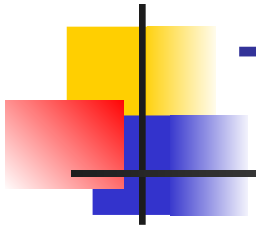
NORTHROP GRUMMAN
Mission Systems

Interface Status and Issues

IMACS CMT – Ogden, UT

July 20-22, 2004

Chris Claxton/NGMS



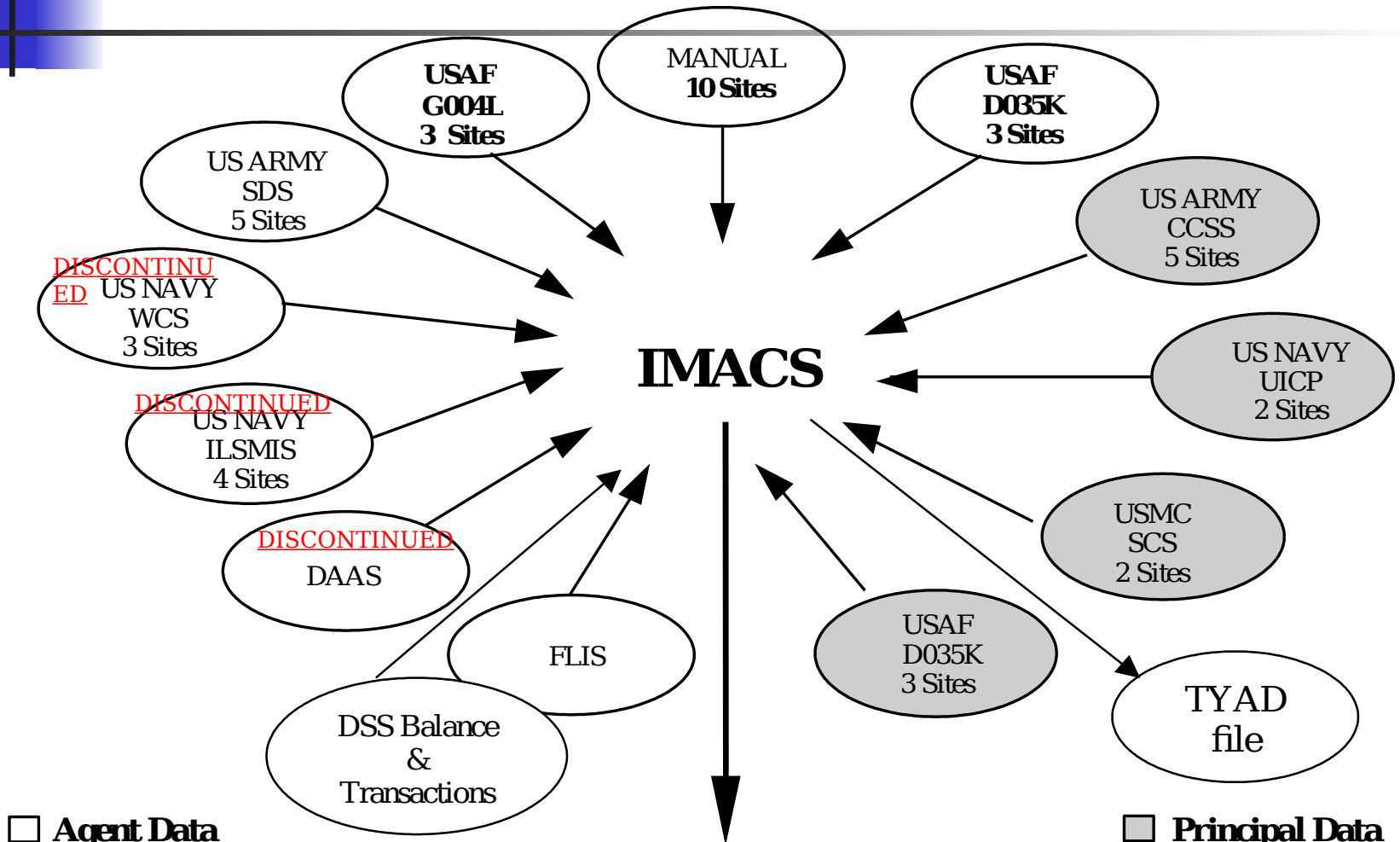
Topics to Cover

- Status of Interfaces
- Other Issues

Status of Interfaces

Ongoing

Source Data Systems



Interfaces & Comments

INTERFACE	SERVICE	COMMENTS	STATUS
– Incoming –			
D035K (TRANS)	Air Force	Turned On and Sending Data	
D035K (BAL)	Air Force	Turned On and Sending Data	
G004L-AA (PMNT)	Air Force	Turned On and Sending Data	
G004L-AB (TMNT)	Air Force	Turned On and Sending Data	
Q302-to replace G004L	*Air Force*	*Still in development as of 7/9/04*	
CCSS (TRANS)	Army	Was Turned Off for TYAD – 07/03 – Being Replaced by LMP. Still active for CCAD, ANAD, LEAD, RRAD	
SDS (BAL)	Army	Turned Off	
SDS (TRANS)	Army	Turned Off	
SDS (PROD)	Army	Was Turned Off for TYAD – 07/03 – Being Replaced by LMP. Still active for CCAD, ANAD, LEAD, RRAD	
LMP (TRANS)	Army	Activated for TYAD - 07/03; Outstanding data issues; IMACS not loading data	
LMP (PROD)	Army	Activated for TYAD - 07/03; Outstanding data issues; IMACS not loading data	
LMP (BAL)	Army	Activated for TYAD - 07/03; Outstanding data issues; IMACS not loading data	
SCS (TRANS)	Marines	Interface turned on; zero records transmitting	
ILSMIS (TRANS)	Navy	Manual Data Input Only	
ILSMIS (PROD)	Navy	Manual Data Input Only	
UICP (TRANS)	Navy	Turned On and Sending Data	
WCS (PROD)	Navy	Turned Off – Awaiting Reply on Potential Replacement System	
MRPII	Navy	Awaiting Reply on Status of Interface with IMACS	
NAVAIR-AIRNIS (Prod)	Navy	Draft ICD Initiated; Sending test data - 7/11/03.	
FLIS	DoD	Turned On and Sending and Receiving Data	
DAAS	DoD	Turned Off - Intraservice Data Issue	
DSS (BAL)	DoD	Turned On and Sending Data– 08/14/02	
DSS (TRANS)	DoD	Activated; Sending A2, A5, AR, D6 data - 07/16/03; ZWTs in progress-with V5.3	
H-1/DST	Navy	Prototype - in Production now	
– Outgoing –			
IMACS to TYAD	Army	Turned on and sending data [Exhibit I/II]	
IMACS to DMOPS	*Army*	*Workload Forecasting data - In development - as of 5/5/04*	
IMACS to LMP	*Army*	*Workload Forecasting data - Expecting RFP*	

In Production Now

- H-1 DST (Depot Support Tool) [NAVICP]
  - Prototype in Production
    - Process: H-1 sends IMACS Exh I/II files for ‘upload’
    - IMACS [NGMS] sends Exhibit III-A/B spreadsheet data for two AMCOM DMISAs
    - H-1 pulls files from secure web site on Ogden server
  - Ideally H-1 DST needs projected requirements for AMCOM & NAVICP DMISAs – for trial program
  - No additional funding available to give IMACS
    - Providing support under Maintenance
    - Future: After Phase II of Upload/Download enhancement [for Ex III-A/B] is completed in 2004, IMACS can provide Ex III-A/B spreadsheets for download and upload purposes.

In Production Now

- IMACS to TYAD
  - Exhibit I/II data file
  - Informal interface; need to create a formal ICD to document the interface processes
  - Automated now in Production
  - Sent every Friday from Hill to TYAD

Other Possible Interfaces

- IMACS/D200A –D200A = Requirements Management System (RMS)
  - Involved D200A, D035A, CAVII, IMACS, AFKS (formerly EDW), RAMP
  - For AF-owned NSNs on DMISA contract
  - Jan 2004 - Attended JAD session on AF requirements for CSRD AFMC-HQTR-03-0094-LGI-R1
- ***CSRD not approved by HQ AFMC***

Forthcoming

- Q302 – Corporate Data Repository System (CDRS)
  - Permanent Job Order Number Master & Temporary Job Order Number Master
- To replace/refresh G004L
  - In integration testing now
  - Aiming to implement 3rd qtr 2004
  - Will replace G004L data with minimal changes to IMACS processing
  - G004L to change host sites – from Ogden to Oklahoma City to prepare for new Q302

Forthcoming

NAVAIR Production Data

- Navy – NAVAIR
  - AIRNIS – Potential Production data
    - NGMS receiving test files since July 03.
  - Feb 04 - NGMS provided evaluation response
    - Evaluated several months of data for Month to date and Year to date totals
    - Received AIRNIS response; they will address issues based on their priorities
  - June 04 – AIRNIS to review issues; aims to finalize with NGMS at July CMT

Forthcoming

NAVAIR Production Data (Cont.)

- Need to establish formal ICD
- MRP II formal data feed – still unknown
- Note: AIRNIS ICD & file format might be used for reference by AIRJAX and AIRCPT for possible implementation at other NAVAIR sites

NEW – IMACS/DMOPS Interface

- Background: Interservice Workload Forecasting data required to satisfy GAO Audit of Army, but applied to all Services, per JG-DM, Oct 2003
  - Principal Services must provide Out Year requirements data to Agent Services to allow for proper planning and budgeting by Agent Service
  - Use IMACS to capture data
- 5 May 2004 - NGMS initiated work on IMACS/DMOPS interface effort

IMACS/DMOPS Interface (Cont.)

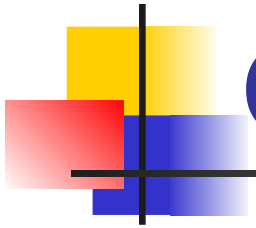
- Actions accomplished to date:
  - Requirements definition; data mapping
  - Draft ICD written; in review at DMOPS
  - Initiated work on ‘.csv’ file to be generated weekly and pushed from Hill AFB to DMOPS Navy site
  - Communications set up in progress (user IDs to ‘push’ file, IP addresses, etc.)

IMACS/DMOPS Interface (Cont.)

- Issues/Concerns:
  - DMOPS contractor, BAH, also requesting to get Exhibit I/II data as well as Workload Forecasting data (Exhibit III-A & B)
    - DMOPS/BAH direction from HQ DA, G-4, to get Exhibit I and II data from IMACS
    - Ex I/II data is out of scope of current IMACS SOW and proposal
      - Ex I/II not considered ‘Workload Forecasting’ data

IMACS/DMOPS Interface (Cont.)

- Issues/Concerns (cont.):
  - Workload Forecasting data refers to Exhibit III-A and III-B data, not Ex I & II [current FY requirements]
  - Need further discussions to resolve concerns/issues
    - Why is Ex I/II data needed by DMOPS?
    - How might data be used on DMOPS side?
    - Shouldn't this go to LMP first, and then to DMOPS, if Army needs this data?
    - Anticipate establishing future interface from IMACS to LMP for Workload Forecasting data also



Other Issues

LMP Asset Visibility Interface – Status and Impacts...

LMP Asset Visibility Status

- Army – TYAD and CECOM went 'Live' - 7 Jul 2003
  - Note: Other sites to follow (TBD)
    - LMP Production (replacing SDS Production data)
    - LMP Transaction (replacing CCSS Transaction data)
    - LMP Balance (replacing original SDS Balance data feed)

LMP Impacts

- LMP sending files regularly, with periodic updates to data files when fixes are in place
  - IMACS not loading data yet; data still not correct for IMACS use
- LMP [CSC] people assigned other priorities
  - New POC assigned, Kenneth Muss/CSC
- No signed ICD-MOA yet
  - One MOA - includes three ICDs as attachments (for Transaction, Production, Balance data formats)
  - PMO/NGMS not sign ICD/MOA until files are correct

LMP Outstanding Data Issues

- LMP Balance
  - Only sending quantities for condition code ‘Q’ - ???
    - Per ICD file format, Pos 76-80 – for Condition Code ‘Q’
  - Owner RIC –
    - File shows only ‘BYF’ (TYAD); should be the Ownership code for the owning Service for that item
- LMP Transactions
  - Missing Supp DODAAC
  - Doc number Julian date and serial numbers always the same
  - Only sending D6s
    - Per Sally Roberts, no A2s or A5s expected for now

LMP Outstanding Data Issues

- LMP Production
  - Control number suffix - 2nd position
    - As of 4/5/04 - LMP file now includes a 1 thru 4 in 2nd position
    - Was advised that LMP can “…provide the fiscal quarter based on the requirements date…”
  - Still some Ownership Codes of ‘3’ – incorrect for IMACS
  - Still some invalid NSNs
  - [See file examples]
  - Once we resolve these issues…we can evaluate how quantities roll up

New IMACS Impact from LMP (Asset Visibility)

- LMP Production File
  - Includes the DMISA, Exhibit, TAB, and Line Item at end of production record; FY implied by 1st position of control number suffix
  - IMACS will need to enhance IMACS processing to recognize these fields and associate new LMP-developed control numbers with correct DMISA line item in IMACS
  - Assumed Requirement: If control number in record does not already exist on IMACS line item, have IMACS processing add it to that line item based on DMISA info included at end of record
    - Is this what is needed?? [Yes, per Feb 2004 CMT]

Outbound Interface Concerns

- IMACS has data elements to provide to other systems (e.g., D200A, H-1 DST, DMOPS, LMP)
- However…if no Army or Navy Production data coming into IMACS, IMACS will not be able to provide data to outbound systems (or for automated/generated Exhibit X-B reports)
- Users must enter data into IMACS (e.g., Requirements, Funding, Control numbers, Ex III-A & B) to have data available for outbound interfaces

Interface Status and Issues

- ...End Interface Status...